

Dr. Fixit Roofkote No.1

A General Purpose Waterproofing Bitumen Emulsion

DESCRIPTION

Dr. Fixit Roofkote No.1 is a viscous dark brown smooth cream water borne bitumen emulsion, containing bitumen chemical, mineral filler. It is suitable consistency for application in relative thick films by brush or mop and bond firmly to either dry or damp surfaces.

Dr. Fixit Roofkote No.1 is used for waterproofing when damp or leakage are problems. It is applied by brush with reinforcement polyester to provide a weather proof membrane without jointing / over lapping because the polyester could achieve complete continuity and integrating all over the roof.

STANDARD

- ASTM D 1227-87 Type III (Standard Specification) for Emulsified Asphalt used as a water protective coating)

AREA OF APPLICATION

Waterproofing for roof, wall, gutter, (concrete, metal, tile, wood, plastic etc.)

- Rot prevention for wood, timber.
- Rust protection for galvanized roof, metal, pipe, vehicle underbody.
- Corrosion protection for concrete from sea water.
- Apply on metal or galvanized roof for sound deadening.

Method of Application

1. Clean off all dirt, loose material and prime with dilute **Dr. Fixit Roofkote No.1** in proportion with water (1:1) and allow drying
2. Apply **Dr. Fixit Roofkote No.1** by brush and allow it to dry between coats. Apply each coat at right angles the previous coat.
3. For roof waterproofing of maximum durability and flexibility the coating can be reinforced with polyester.
4. The application should not apply on hot concrete or at strong windy day because the surface film will dry very fast and prevent evaporation of the underneath and cause blister.
5. The final application of **Dr.Fixit Roofkote No.1** should be protected from sunlight or mechanical damage by painting or using protection boards or backfilling.

Limitations & Precautions

- Apply **Dr.Fixit Roofkote No.1** when substrate is dry and ambient temperatures are 5 to 35°C.
- Check humidity and dew point. Apply **Dr.Fixit Roofkote No.1** when surface temperature is at least 5 °C above dew point to prevent droplets of water forming on the surface.
- Do not apply to expose reinforcing bars before concrete topping.
- Do not directly heat containers with flame, stove, hot plate or oven. Use airless spray to get high application rate.
- Patch and fill all voids and deep depressions in surface with appropriate patching material before applying **Dr.Fixit Roofkote No.1** ,Carefully work material over irregular concrete to avoid pinholes.
- Before applying **Dr.Fixit Roofkote No.1**, dam all drains and drain openings.
- Do not leave **Dr.Fixit Roofkote No.1** without top coating & do not **Dr.Fixit Roofkote No.1** to be contact with direct sunlight without protection board install to protect surface. **Dr.Fixit Roofkote No.1** surface cannot be open to traffic prior to apply top coat.

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Technical Information

Properties	Standard/Method Test	Result Test
1.Appearance	ASTM D 1227-87 Type III	Dark brown smooth cream
2.Specific Gravity		1.00 Kg/L
3.Flash Point °C		None
4.Residue by evaporation % m/m		>50%
5.Atmostpheric temperature water soak (Completely immersed duration 4 weeks)		No sign of failure
6.Crack bridging	ASTM C1305-08	> 2 mm.
7.Service Temperature	ASTM D 1227-87 Type III	-15 - 80 °C
8.Chemical Resistance		Resistant to alcohol, salt solutions not resistant to oil
9.Heat Flow Resistance		The cured film will not flow or sag in service condition
10.Flexibility		Provide a film flexible coating
11.Shrinkage Factor		45% wet to dry state.
12.Water Vapour Transmission	ASTM E96	0.010 g/h ·m ²
13.Drying Time	ASTM D 1227-87 Type III	3-6 hours
14.Direct flame test		Char in place

Drying and Curing time

Substrate temperature	10 °C	25 °C	30 °C	40 °C
Surface (touch) dry, hrs.	3	1,30	1	0,45
Dry to over coat, minimum, hrs.	24	12	10	8
Dried/cured for service, day	3	2	1.5	1
Thickness Recommend, micron. At least Standard At most	800 1000 1500			

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Drying and curing times are determined under controlled temperatures and relative humidity below 60%, and at average of the DFT range for the product.

Surface (touch) dry: The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.

Dry to over coat, minimum: The recommended shortest time before the next coat can be applied.

Dried/cured for service: Minimum time before the coating can be permanently exposed to the intended environment/medium

Consumption

Total	Thickness (Micron)			อัตราการใช้		
	800 - 1000			Kg. / m ²	m ² / pail (18 kgs.)	m ² / Drum (200 kgs.)
Coat	Coat 1	Coat 2	Coat 3	0.5	36	400

Packing

- 18 kgs pail
- 200 kgs Drum

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Storage

- Maximum 1 year in sealed container kept under shed area.

Health & Safety Precautions

Wear glove and eye goggles during application. Avoid product to contact eyes and skin.

• Skin contact

Remove skin contact when wet with water, use kerosene or mineral turpentine when the product has dried.

• Eye contact

In the event of eye contact irrigate immediately with plenty of clean water and seek medical advice

Disclaimer

The product information and the recommendations relating to the application and end-use of Dr.Fixit products, are based on Dr.Fixit's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Dr.Fixit's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Dr.Fixit reserves the right to change the properties of its products without notice, so the company does not assume liability of any legal from this product information.



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